



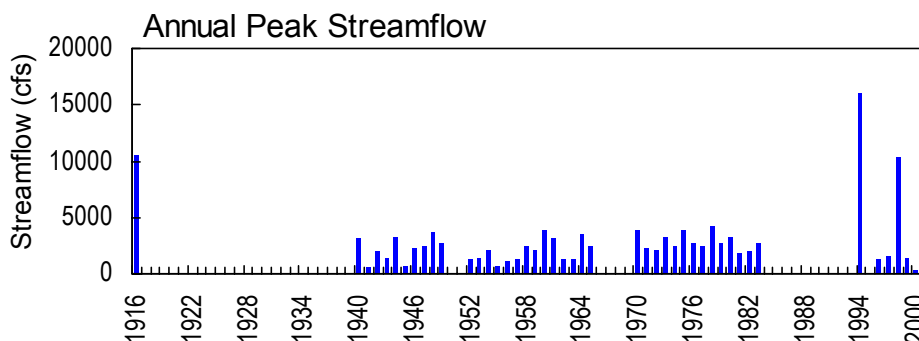
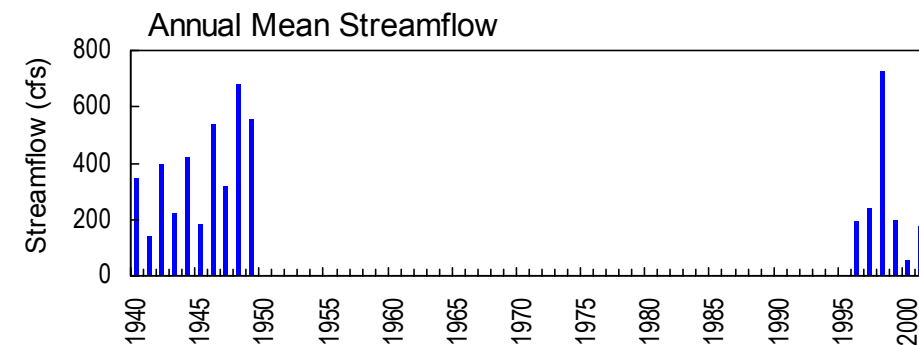
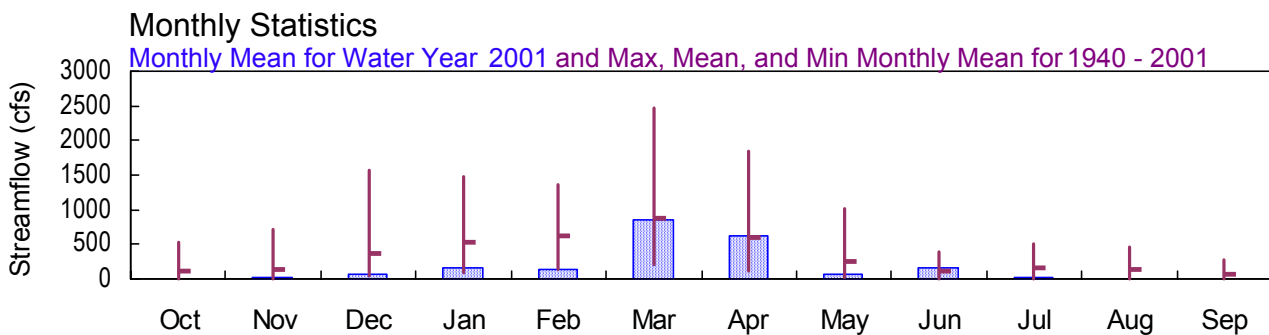
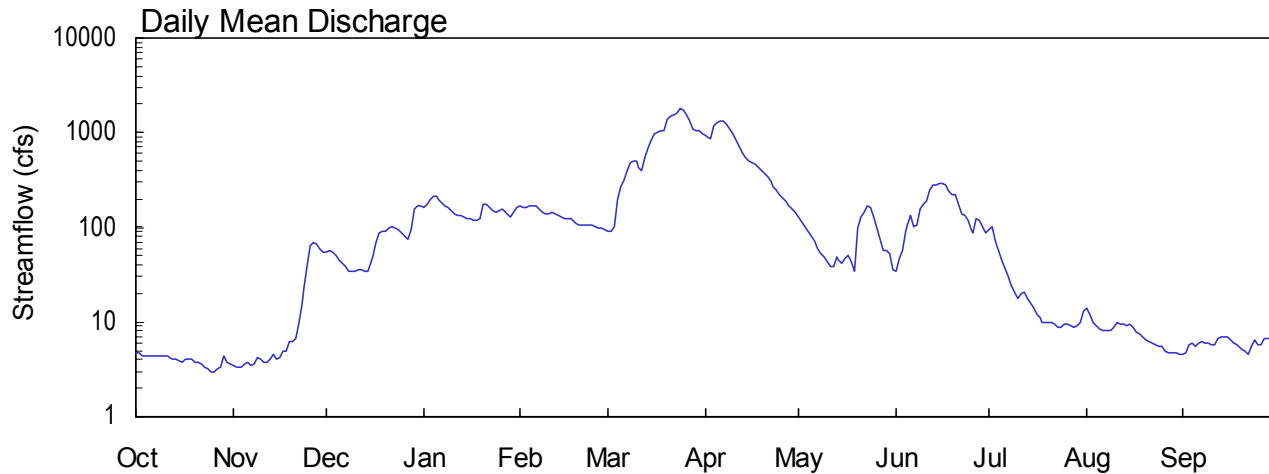
APALACHICOLA RIVER BASIN

2001 Water Year

02354500

CHICKASAWHATCHEE CREEK AT ELMODEL, GA

Latitude: 31° 21' 02" Longitude: 84° 28' 57" Hydrologic Unit Code: 03130009 Baker County
Drainage Area: 320 mi² Datum: 137.7 feet Period of Record: 1940 - 2001



**APALACHICOLA RIVER BASIN
2001 Water Year**

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA

LOCATION.--Lat 31°21'02", long 84°28'57", Baker County, Hydrologic Unit 03130009, at bridge on GA Highway 37 at Elmodel, 2.0 miles upstream from confluence with Ichawaynochaway Creek.

DRAINAGE AREA.--320 mi².

COOPERATION.—Albany-Dougherty Planning Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to December 1949, water years 1952-65 and 1970-83 (annual maximum), July 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.7 feet above sea level (levels by the Georgia Department of Transportation). From October 1, 1939 to October 30, 1941, a non-recording gage was located at site approximately 100 feet upstream at present datum. From October 31, 1941 to December 31, 1949, a recording gage was located at present datum. From September 25, 1951 to September 1965 and October 1970 to September 1983, a non-recording gage was located at site 100 feet upstream and present datum.

REMARKS.--Records good. Discharge during growing season affected by undetermined amount of irrigation withdrawal.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1994 reached a stage of 20.0 feet, discharge 16,000 ft³/s from rating curve extended above 9,400 ft³/s. Minimum discharge observed 1.2 ft³/s, October 21, 1954.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1500 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE-HEIGHT (ft)
Mar.24	1730	1,830*	8.18*
No other peaks greater than base discharge			

**APALACHICOLA RIVER BASIN
2001 Water Year**

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.-- October 1939 to December 1949, water years 1952-65 and 1970-83 (annual maximum), July 1995 to current year.

GAGE.-- Water-stage recorder. Datum of gage is 137.7 feet above sea level (levels by the Georgia Department of Transportation). From October 1, 1939 to October 30, 1941, a non-recording gage was located at site approximately 100 feet upstream at present datum. From October 31, 1941 to December 31, 1949, a recording gage was located at present datum. From September 25, 1951 to September 1965 and October 1970 to September 1983, a non-recording gage was located at site 100 feet upstream and present datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.18 feet, March 24; minimum gage-height recorded, -0.38 feet, October 25-26.

STATION NUMBER 02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA STREAM SOURCE AGENCY USGS
 LATITUDE 312102 LONGITUDE 0842857 DRAINAGE AREA 320.00 DATUM 137.73 STATE 13 COUNTY 007

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	3.5	54	164	166	92	938	130	35	93	14	4.6
2	4.7	3.4	56	173	163	90	901	116	46	101	12	4.8
3	4.4	3.3	55	200	162	102	857	103	58	72	10	5.7
4	4.3	3.3	50	216	167	198	1160	92	89	57	9.0	5.9
5	4.3	3.6	45	213	172	269	1260	81	104	45	8.5	5.5
6	4.3	3.7	41	198	166	319	1330	71	134	37	8.3	5.9
7	4.4	3.5	38	182	156	390	1300	59	101	30	8.0	6.2
8	4.4	3.6	35	170	145	476	1220	53	106	24	8.2	5.9
9	4.4	4.2	34	160	139	506	1110	48	159	21	8.2	6.0
10	4.3	4.1	35	150	140	493	981	43	176	18	8.8	5.7
11	4.3	3.8	36	141	145	432	844	39	192	20	10	5.8
12	4.2	3.8	36	136	140	400	716	39	253	21	9.5	6.7
13	4.1	4.0	35	134	133	551	610	48	278	18	9.5	7.0
14	4.1	4.6	34	130	127	680	534	45	282	16	9.3	7.0
15	3.9	4.1	39	125	124	825	494	42	293	14	9.4	6.9
16	3.8	4.2	48	122	122	955	485	47	288	12	8.8	6.5
17	4.0	5.0	69	120	123	1010	459	50	277	11	7.9	6.0
18	4.0	4.9	86	119	117	1030	428	43	239	10	7.4	5.7
19	4.0	6.3	92	126	111	1050	399	34	226	9.8	7.0	5.3
20	3.8	6.3	90	173	106	1380	370	97	225	10	6.5	5.1
21	3.7	6.7	98	176	104	1470	336	130	177	10	6.2	4.9
22	3.6	10	101	165	106	1520	303	143	137	9.4	6.0	4.6
23	3.4	16	97	151	106	1580	274	169	136	8.9	5.7	5.6
24	3.2	22	93	146	104	1780	248	160	117	8.9	5.5	6.4
25	3.0	39	87	153	101	1760	225	127	93	9.5	5.6	5.8
26	3.0	63	80	157	100	1560	205	100	88	9.6	5.0	5.7
27	3.2	70	74	149	98	1320	187	76	122	9.1	4.8	6.6
28	3.3	66	94	140	95	1090	170	57	118	8.9	4.8	6.8
29	4.4	59	154	131	---	1030	156	56	103	9.2	4.8	6.6
30	3.8	55	171	144	---	1030	142	52	87	9.8	4.7	6.2
31	3.6	---	168	162	---	989	---	36	---	13	4.6	---
TOTAL	122.7	489.9	2225	4826	3638	26377	18642	2386	4739	746.1	238.0	177.4
MEAN	3.96	16.3	71.8	156	130	851	621	77.0	158	24.1	7.68	5.91
MAX	4.8	70	171	216	172	1780	1330	169	293	101	14	7.0
MIN	3.0	3.3	34	119	95	90	142	34	35	8.9	4.6	4.6
CFSM	.01	.05	.22	.49	.41	2.66	1.94	.24	.49	.08	.02	.02
IN.	.01	.06	.26	.56	.42	3.07	2.17	.28	.55	.09	.03	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	117	143	365	534	614	888	591	261	116	161	140	79.6
MAX	540	714	1571	1479	1370	2470	1848	1004	401	507	472	275
(WY)	1949	1948	1998	1998	1998	1998	1944	1946	1946	1940	1946	1945
MIN	3.96	10.1	40.5	101	130	197	125	16.1	2.55	2.29	2.00	3.84
(WY)	2001	2000	1944	2000	2001	2000	1999	2000	2000	2000	2000	2000

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1940 - 2001

ANNUAL TOTAL	22163.5	64607.1	
ANNUAL MEAN	60.6	177	337
HIGHEST ANNUAL MEAN			723
LOWEST ANNUAL MEAN			58.8
HIGHEST DAILY MEAN	343	Apr 4	9850
LOWEST DAILY MEAN	1.3	Aug 23	1.3
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 23	1.4
MAXIMUM PEAK FLOW		1830	10400
MAXIMUM PEAK STAGE		8.18	17.09
ANNUAL RUNOFF (CFSM)	.19	.55	1.05
ANNUAL RUNOFF (INCHES)	2.58	7.51	14.29
10 PERCENT EXCEEDS	189	488	912
50 PERCENT EXCEEDS	6.1	59	134
90 PERCENT EXCEEDS	2.1	4.3	11

STATISTICS COMPUTED BY: jkjoiner

DATE: 03/29/2002 AT: 10:15:47

STATION NUMBER 02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA STREAM SOURCE AGENCY USGS
 LATITUDE 312102 LONGITUDE 0842857 DRAINAGE AREA 320.00 DATUM 137.73 STATE 13 COUNTY 007

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.32	-.36	.28	.97	1.00	.53	4.90	.74	.13	.51	-.10	-.27
2	-.32	-.36	.29	1.03	.98	.52	4.75	.65	.22	.56	-.13	-.27
3	-.33	-.36	.29	1.21	.98	.60	4.56	.57	.30	.39	-.16	-.24
4	-.33	-.36	.25	1.32	1.02	1.22	5.78	.51	.49	.30	-.18	-.24
5	-.33	-.35	.21	1.30	1.04	1.66	6.15	.44	.57	.22	-.19	-.25
6	-.33	-.35	.18	1.20	1.01	1.95	6.40	.38	.76	.16	-.19	-.24
7	-.33	-.36	.16	1.10	.93	2.36	6.30	.31	.56	.09	-.20	-.23
8	-.33	-.35	.14	1.02	.87	2.82	6.00	.27	.59	.03	-.20	-.24
9	-.33	-.33	.13	.96	.82	2.98	5.58	.24	.93	-.01	-.20	-.23
10	-.33	-.34	.14	.88	.83	2.91	5.07	.20	1.05	-.05	-.19	-.24
11	-.33	-.35	.14	.82	.87	2.59	4.51	.17	1.17	-.02	-.16	-.24
12	-.33	-.35	.14	.80	.83	2.41	3.97	.17	1.56	.00	-.17	-.22
13	-.34	-.34	.13	.78	.79	3.20	3.49	.23	1.71	-.04	-.17	-.21
14	-.34	-.32	.13	.76	.75	3.81	3.12	.21	1.74	-.07	-.17	-.21
15	-.34	-.34	.17	.73	.73	4.43	2.92	.19	1.80	-.10	-.17	-.21
16	-.35	-.33	.24	.72	.72	4.96	2.87	.23	1.77	-.12	-.18	-.22
17	-.34	-.31	.37	.70	.72	5.18	2.73	.25	1.71	-.14	-.20	-.24
18	-.34	-.31	.47	.70	.69	5.26	2.57	.20	1.47	-.16	-.21	-.24
19	-.34	-.27	.51	.75	.65	5.32	2.41	.13	1.39	-.17	-.22	-.25
20	-.35	-.27	.50	1.05	.62	6.59	2.25	.54	1.38	-.16	-.23	-.26
21	-.35	-.26	.54	1.08	.61	6.91	2.05	.74	1.06	-.15	-.24	-.26
22	-.35	-.17	.56	1.00	.62	7.11	1.86	.82	.79	-.17	-.25	-.27
23	-.36	-.07	.54	.91	.62	7.33	1.69	1.01	.78	-.18	-.25	-.25
24	-.37	.01	.51	.87	.61	8.01	1.53	.94	.66	-.18	-.26	-.23
25	-.38	.16	.48	.92	.59	7.94	1.38	.72	.51	-.17	-.26	-.24
26	-.37	.33	.44	.94	.59	7.26	1.25	.56	.49	-.17	-.26	-.24
27	-.37	.38	.40	.89	.57	6.37	1.13	.41	.69	-.18	-.27	-.22
28	-.36	.35	.52	.83	.55	5.49	1.01	.30	.66	-.18	-.27	-.22
29	-.33	.31	.90	.78	---	5.27	.92	.29	.57	-.18	-.27	-.22
30	-.35	.28	1.02	.86	---	5.26	.82	.26	.48	-.16	-.27	-.23
31	-.35	---	1.00	.98	---	5.10	---	.15	---	-.12	-.27	---
MEAN	-.34	-.18	.38	.93	.77	4.30	3.33	.41	.93	-.02	-.21	-.24
MAX	-.32	.38	1.02	1.32	1.04	8.01	6.40	1.01	1.80	.56	-.10	-.21
MIN	-.38	-.36	.13	.70	.55	.52	.82	.13	.13	-.18	-.27	-.27